

Koch, Kristine

From: PARRETT Kevin <Parrett.Kevin@deq.state.or.us>
Sent: Tuesday, May 20, 2014 10:29 AM
To: Koch, Kristine; GAINER Tom
Cc: MCCLINCY Matt; Sheldrake, Sean
Subject: RE: Portland Harbor - shallow definition

A major component of the sediment cap design was the elevation where waves were assumed to have minimal impact on the sediment cap. This was generally referred to as the break between deep and shallow water. This elevation is -7 ft CRD (-5.26 NGVD which is the same as -3.89 COPD). Using the CRD datum, Ordinary High Water is 14.89 ft.

-Kevin

From: Koch, Kristine [mailto:Koch.Kristine@epa.gov]
Sent: Tuesday, May 20, 2014 9:56 AM
To: PARRETT Kevin; GAINER Tom
Cc: MCCLINCY Matt; Sheldrake, Sean
Subject: Portland Harbor - shallow definition

Kevin and Tom – the LWG provided the comment, below. Their “shallow” designation doesn’t seem so shallow to me. I wanted your opinion. Especially since you have dealt with McCormick & Baxter, Arco BP and Zidell. What definition did the state use for those sites?

- Shallow –
 - EPA defines shallow areas as less than 1 meter below Ordinary Low Water (OLW), which is 2 ft NAVD88. The mean high water mark for the river is 20 ft NAVD88 and the upper elevation of the Study Area sediments, as defined by EPA, is 13.3 ft NAVD88. Thus, new caps placed within EPA’s defined shallow zone would stay submerged over the large majority of river flow conditions (i.e., and therefore not comprise or be defined as “new uplands”). Also, as discussed in the April 24th meeting, capping within this zone does not present unique habitat or flooding issues as compared to other shoreline elevations.
 - We suggest that EPA use a water level that is aligned with the Study Area upper sediment boundary of 13.3 ft NAVD88. Using EPA’s definition of areas 1 meter below a defined water elevation, we would suggest a definition for shallow areas as that portion of the Study Area between 13.3 ft and 10 ft NAVD88.

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